

C6349089

MODEL 700TM N24

Model SMSTM

Action

Barrel Length

Capacity

Order No. 5716

*Includes 1 in chamber.

Remington

Remington
REG. U.S. PAT. & TM. OFF.

DUPONT
REG. U.S. PAT. & TM. OFF.

VERY IMPORTANT:
Instruction Book
enclosed to assure
safe use of this
firearm.

MODEL 700™ H24

SERIAL NO. C6349089

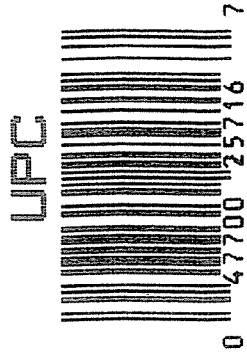
ORDER NO. 5716

MADE IN ILION, N.Y., U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.

01



5716 C6349089



0 47700 25716 7

Arms Services Repair & Estimate System

File Add Repair Estimate Repair Expedite Repair Inquiry Repair Tools CSR Tools Reports Table Maintenance System Maintenance Help

Repair Inquiry

Repair Number: **RE00102793** Serial: C6349089 Model: M24 SWS Center Fire Caliber: 7.62 NATO Repairman: Status: Closed 10/26/2005 8:47:16 AM

Verify Repair

Address Information

Customer: ☒ Received From: ☐ Return To: ☐ Received From

Name: **PR W7LZ CAMP SHELBY DET 57** **PR W7LZ CAMP SHELBY DET 57**

Address 1: **DEF TRAINING BDE ROTATION** **DEF TRAINING BDE ROTATION**

Address 2: **BLDG 6520 WAREHOUSE AVE** **BLDG 6520 WAREHOUSE AVE** PO Box:

City: **CAMP SHELBY** **CAMP SHELBY**

State: **MS** Zip Code: **39407** Country: **US** State: **MS** Zip Code: **39407** Country: **US**

FFL: ☐ ☐ ☐ ☐ ☐ ☐

Contact / Condition Problems Estimate History / Status Shipping / Billing

Contact Information: Phone: **601 558-4593** Fax: Email: Comments:

Received Condition: Fair Condition Notes: CSR Notes:

Accessories Received:

Code	Desc	Qty
A007	With Stud	3
A010	Hard Case	1
A017	Scope Base	1
A045	Bi Pod	1
A057	Frt and Rear Sgt Base	1

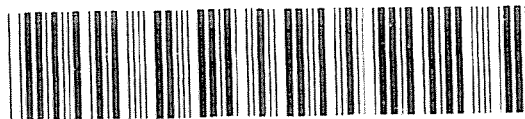
Repair Search Refresh Close

hagletj 10/26/2005 3:44 AM CAPS NUM INS SCPL

start 2 2 3 Arms S

Serial Number: **C6349089**

Model: **M24 SWS**



RE00102793

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6349089.___0
FILE DATE AND TIME: 11/22/2005 22:31

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.047
The Average Y Centroid of the Five Target Set:	0.005
The Average Point of Impact of the Five Target Set:	0.047
The Average Mean Radius of the Five Target Set:	0.712
The Distance from POA to Centroid Target #1:	0.450
The Distance from Centroid Target #2 to Centroid Target #1:	0.311
The Distance from Centroid Target #3 to Centroid Target #1:	0.673
The Distance from Centroid Target #4 to Centroid Target #1:	0.689
The Distance from Centroid Target #5 to Centroid Target #1:	0.634

BARBER - M24 0107554

SERIAL NUMBER: C6349089. __0

TARGET NUMBER: 1

FILE DATE: 11/22/2005

FILE TIME: 22:31

POINT#	X	Y
1:	0.027	-0.308
2:	-0.243	-0.636
3:	-0.489	-0.255
4:	-1.171	-0.039
5:	0.059	0.311
6:	0.684	-0.019
7:	0.815	-0.540
8:	0.447	-1.681
9:	0.077	-0.780
10:	0.118	-0.537

X CENTROID: 0.032

Y CENTROID: -0.448

POA TO CENTROID: 0.450

HORZ SPREAD: 1.986

VERT SPREAD: 1.992

GROUP SPREAD: 2.305

MIN RADIUS: 0.123

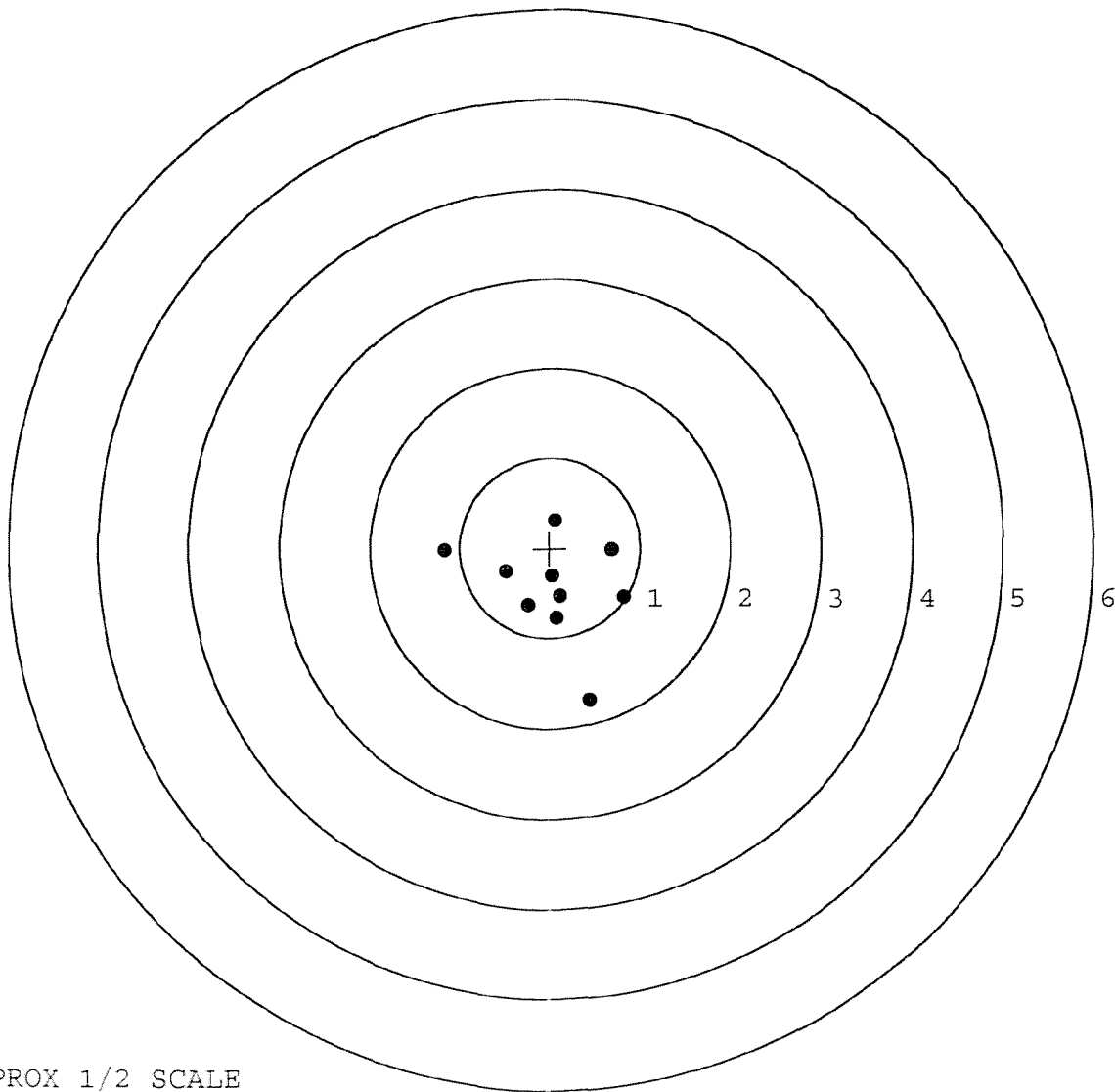
MAX RADIUS: 1.300

MEAN RADIUS: 0.639

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10

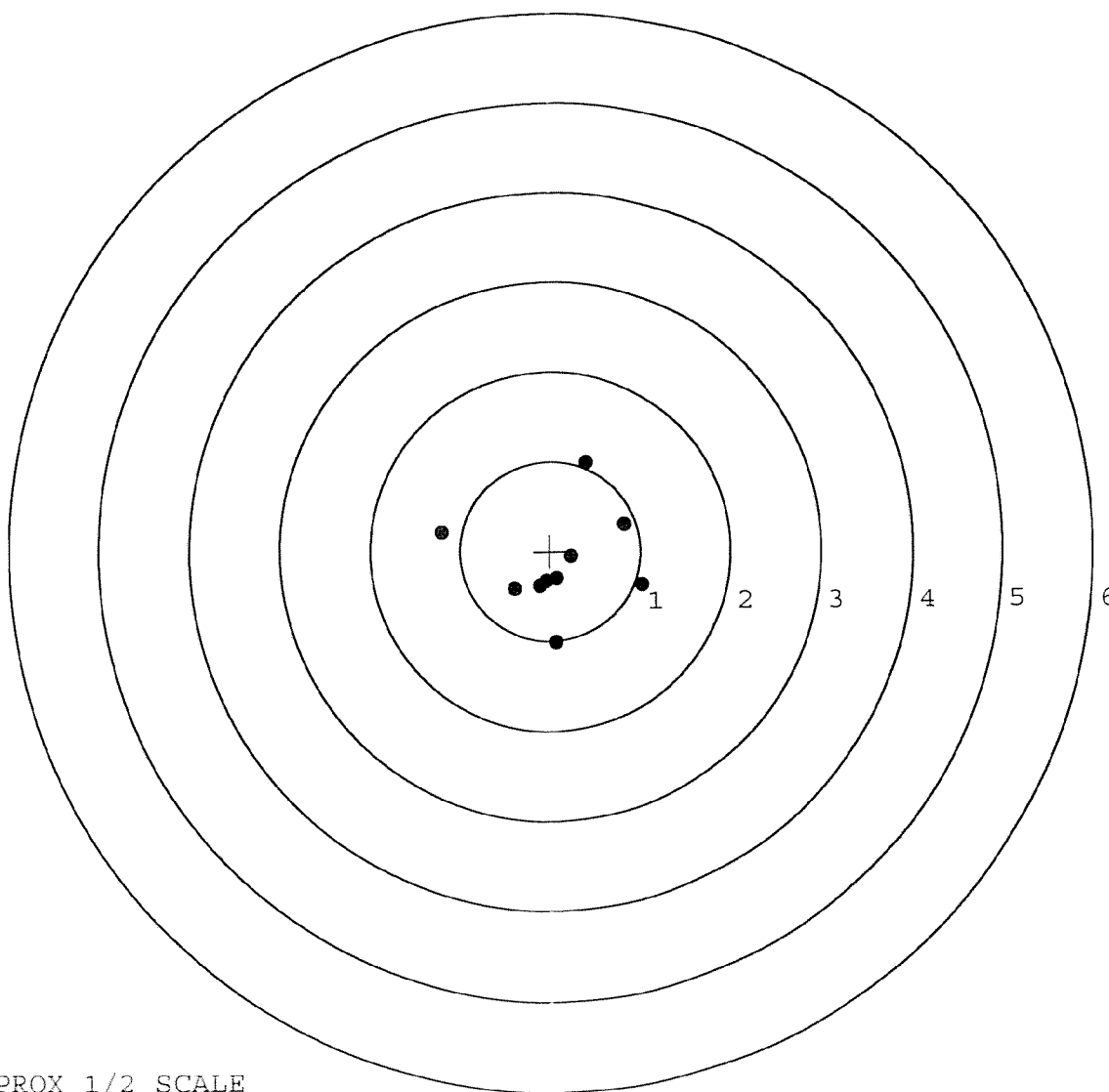


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349089. __0
 TARGET NUMBER: 2
 FILE DATE: 11/22/2005
 FILE TIME: 22:31

POINT#	X	Y
1:	0.234	-0.062
2:	0.078	-0.310
3:	-0.118	-0.389
4:	-0.394	-0.420
5:	0.068	-1.025
6:	1.014	-0.374
7:	0.824	0.298
8:	0.405	0.982
9:	-1.205	0.213
10:	-0.042	-0.336

X CENTROID: 0.086
 Y CENTROID: -0.142
 POA TO CENTROID: 0.166
 HORZ SPREAD: 2.219
 VERT SPREAD: 2.007
 GROUP SPREAD: 2.295
 MIN RADIUS: 0.168
 MAX RADIUS: 1.339
 MEAN RADIUS: 0.665
 # IN 1 IN DIAMETER: 4
 # IN 2 IN DIAMETER: 8
 # in 3 IN DIAMETER: 10

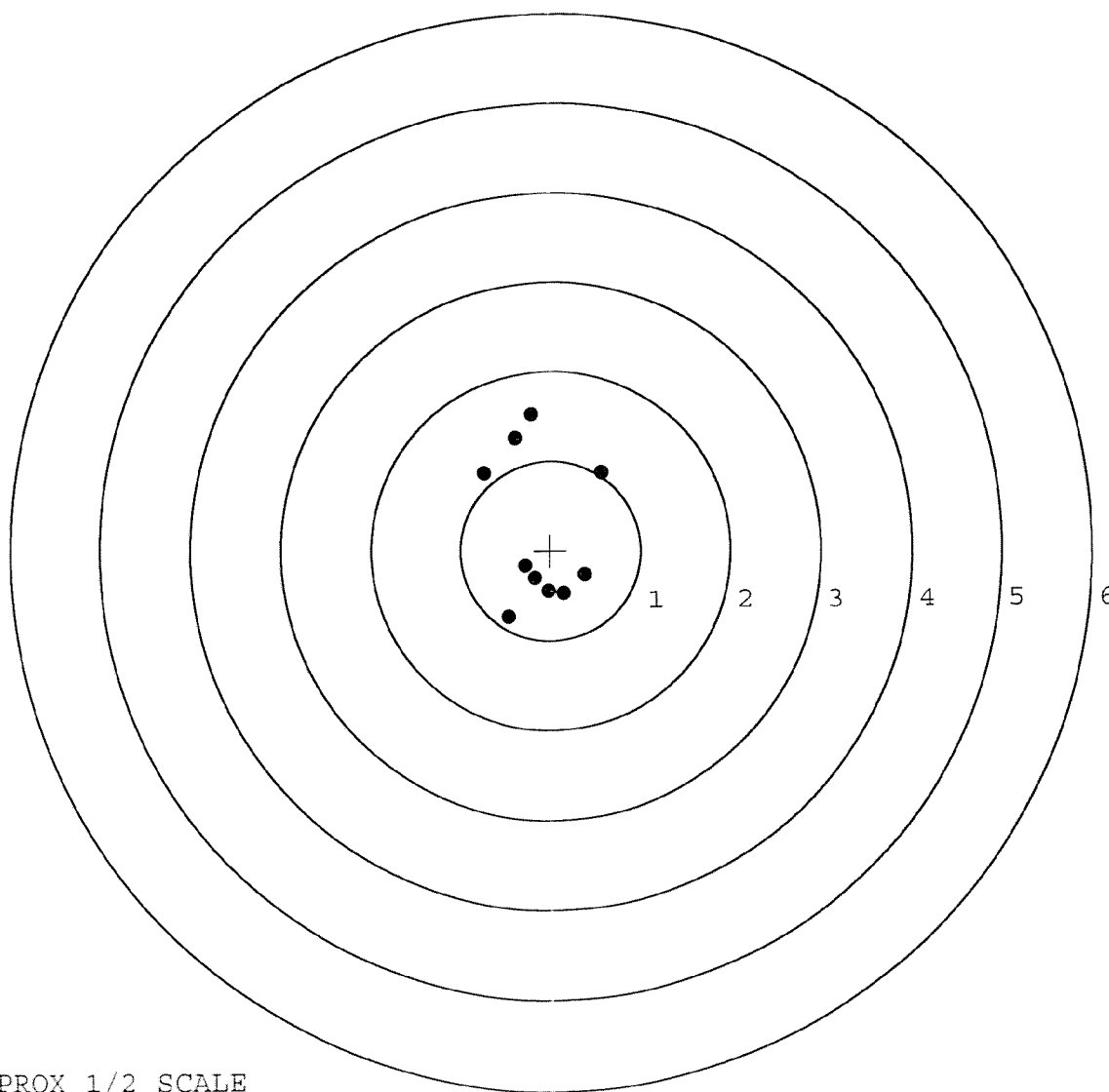


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349089. __0
 TARGET NUMBER: 3
 FILE DATE: 11/22/2005
 FILE TIME: 22:31

POINT#	X	Y
1:	-0.286	-0.171
2:	-0.174	-0.311
3:	-0.023	-0.458
4:	0.147	-0.484
5:	0.381	-0.280
6:	-0.472	-0.740
7:	-0.735	0.870
8:	-0.389	1.258
9:	-0.210	1.516
10:	0.567	0.873

X CENTROID: -0.119
 Y CENTROID: 0.207
 POA TO CENTROID: 0.239
 HORZ SPREAD: 1.302
 VERT SPREAD: 2.256
 GROUP SPREAD: 2.271
 MIN RADIUS: 0.413
 MAX RADIUS: 1.312
 MEAN RADIUS: 0.831
 # IN 1 IN DIAMETER: 1
 # IN 2 IN DIAMETER: 7
 # in 3 IN DIAMETER: 10

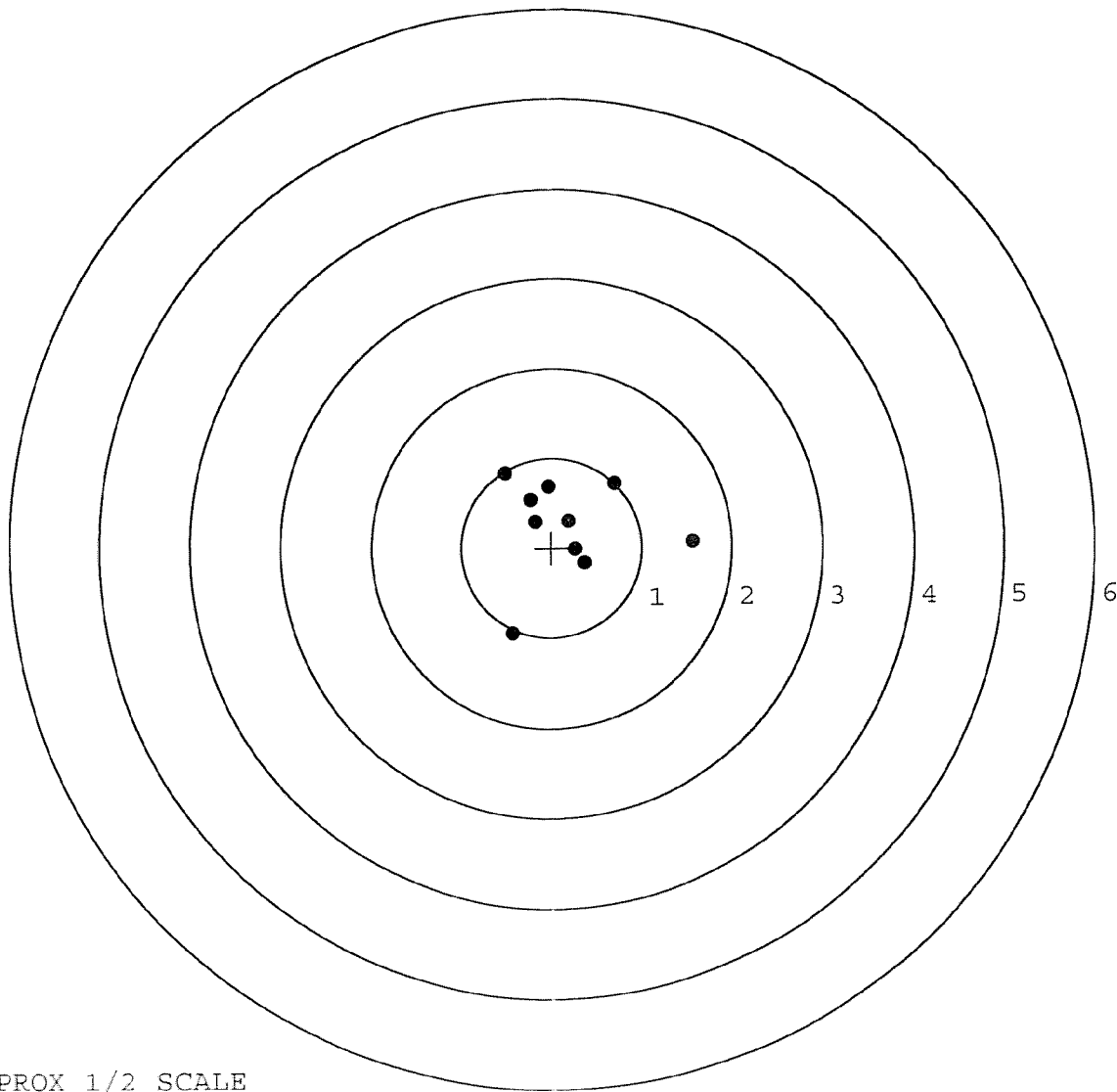


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349089. 0
 TARGET NUMBER: 4
 FILE DATE: 11/22/2005
 FILE TIME: 22:31

X CENTROID: 0.171
 Y CENTROID: 0.226
 POA TO CENTROID: 0.284
 HORZ SPREAD: 2.075
 VERT SPREAD: 1.793
 GROUP SPREAD: 2.244
 MIN RADIUS: 0.073
 MAX RADIUS: 1.401
 MEAN RADIUS: 0.653
 # IN 1 IN DIAMETER: 4
 # IN 2 IN DIAMETER: 8
 # in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.195	0.295
2:	-0.180	0.287
3:	-0.227	0.539
4:	-0.032	0.686
5:	-0.513	0.835
6:	0.701	0.717
7:	1.562	0.062
8:	0.371	-0.175
9:	-0.437	-0.958
10:	0.269	-0.025

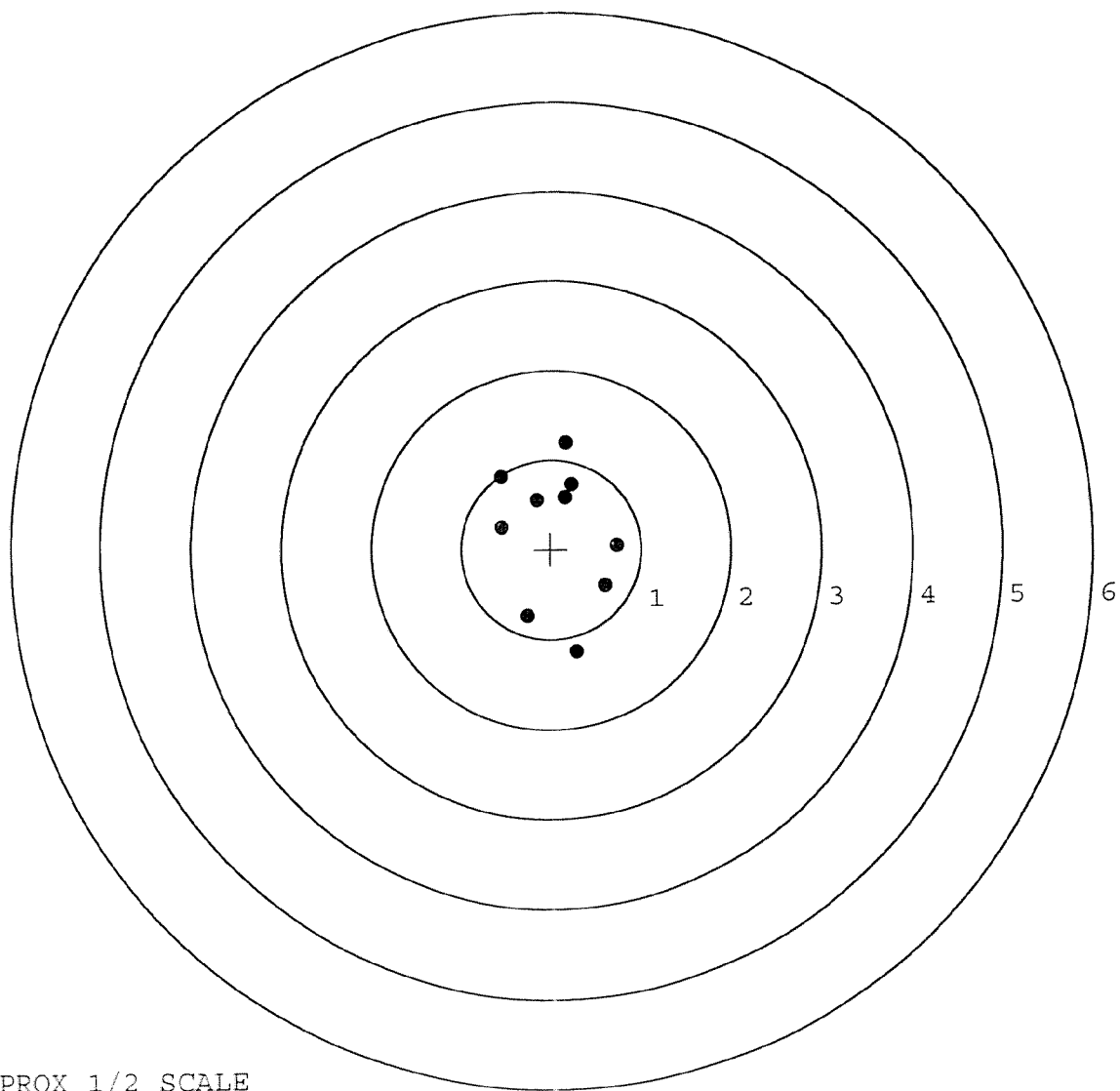


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349089. __0
 TARGET NUMBER: 5
 FILE DATE: 11/22/2005
 FILE TIME: 22:31

POINT#	X	Y
1:	0.597	-0.407
2:	-0.271	-0.741
3:	0.276	-1.142
4:	0.730	0.037
5:	0.235	0.724
6:	-0.553	0.247
7:	-0.553	0.816
8:	0.178	1.189
9:	-0.158	0.547
10:	0.161	0.574

X CENTROID: 0.064
 Y CENTROID: 0.184
 POA TO CENTROID: 0.195
 HORZ SPREAD: 1.283
 VERT SPREAD: 2.331
 GROUP SPREAD: 2.333
 MIN RADIUS: 0.401
 MAX RADIUS: 1.343
 MEAN RADIUS: 0.771
 # IN 1 IN DIAMETER: 2
 # IN 2 IN DIAMETER: 8
 # in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

M-24 INSPECTION CHECKLIST
CONTRACT #: DAAE-20-02-C-0149

R & E NUMBER	102793		Camp Shelby	
SERIAL NUMBER	C6349089			
LOG-IN DATE	10-26-05			
OPERATION #	OPERATION NAME		DATE	INITIAL
500	DIS-ASSEMBLE GUN		11-3-05	AC
505	RE-BARREL		11-7-05	AC
560	ASSEMBLE		11-14-05	CD
600	PROOF	MAGNA-FLUX INSPECTED	11-14-05	CD
605	CHECK HEADSPACE	NOV 15 2005	11-14-05	CD
610	DIS-ASSEMBLE GUN		11-14-05	CD
612	MAGNAFLUX	OPERATOR <u>Wm</u>	11/15/05	Wm
510	DRILL AND TAP		11-11-05	BR
615	ROLLMARK CALIBER		11-15-05	CW
618	ROTO-BLAST		11-16-05	LB
620	APPLY COATINGS		11/16/05	HP
625	FINAL ASSEMBLY		11-17-05	AC
640	FUNCTION TEST AND	PASS FAIL	11-22-05	mtm
650	TARGET	PASS FAIL	11-22-05	mtm
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
670	FINAL INSPECTION		11-23-05	AC
	A) HEADSPACE	PASS FAIL	11-23-05	AC
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS		
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS	6 lbs 6 lbs 6 lbs	AC
	G) SAFETY OFF FORCE	2 LBS	4 lbs 4 lbs 4 lbs	AC
	I) FIRING PIN INDENT	.020	.021 .021 .021	AC
690	PACK		12-1-05	1077

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. CLB49089DATE 16 Jan 90TESTER 928

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.34	2.42	2.84	2.16	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.31	2.42	2.53	2.52	
PULL #3	2.31	2.43	2.44	2.49	
PULL #4	2.35	2.44	2.44	2.52	
PULL #5	2.29	2.48	2.44	2.57	
TOTAL	11.50	12.19	12.69	12.86	
AVG.	2.30	2.438	2.538	2.572	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.08	3.13		
PULL #2	3.08	3.23		
PULL #3	3.07	3.18		
PULL #4	3.14	3.14		
PULL #5	3.11	3.17		
TOTAL	15.48	15.85		
AVG.	3.096	3.17		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.02	4.09		373
PULL #2	3.96	4.11		392
PULL #3	4.06	4.14		388
PULL #4	3.96	4.11		401
PULL #5	4.00	4.10		400
TOTAL	20.00	20.55		1954
AVG.	4.00	4.11		3.908

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6349089

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	QUALITY AUDIT	12-20 89	RW
600	Proof		12-20 89	A
607	Check Headspace		12-20 89	A
610	Dis-assemble Gun		12-20 89	RW
612	Magnaflux Barrel Action		1-5-90	KER
	Magnaflux Bolt		1-5-90	
615	Rollmark Caliber		1/5/90	JS
617	Drill and Tap Sight Holes		1/8/90	FB
618	Polish Barrel <i>RB</i>		1/9/90	WB
620	Apply Coatings (Barrel Action)		1-15-90	TJA
	Apply Coating (Bolt)			
625	Final Assembly			
	A) Clean inside of Bolt Assembly		1/15/90 1/16/90	WB
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		1/16/90	RW
	C) Inspect Ejector Hole for Chamfer		1/16/90	RW
	D) Oil Firing Pin Ass'y		1/16/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		1/16/90	JS

BARBER - M24 0107562

op. #	OP. NAME	READINGS			DATE	INIT
625 cont.	F) Safety On Force	6	6	6	1-16-90	gH
	G) Safety Off Force	3	3	3	1-16-90	gH
	H) Trigger Pull Test & Retainability				16/Mar/90	gds
	I) Firing Pin Indent	.020	.021	.021	1-16-90	gH
	J) Assemble Stock				3/9/90	RW
	K) Assemble Swivel Studs				3/14/90	WB
	L) Attach Front and Rear Sight Assemblies				3/9/90	RW
	M) Iron Sight Alignment				3/9/90	RW
	N) Detach Front & Rear Sights & place in numbered container				3/9/90	RW
	O) Attach Scope to Rifle				3-9-90	gds
	P) Detach & Attach Scope 20 Times				3-9-90	gds
640	Gallery Target & Test				3-13-90	A
	A) Time				"	A
	B) Malfunctions				"	A
	C) Pierced Primers				"	A
	D) Optical Clarity of Scope				"	A
645	Inspect for Live Ammo				3-13-90	A
655	Final Inspection				15 Mar 90	gds
	A) Headspace				15 Mar 90	gds
	B) Trigger Pull	2.76	2.52	2.44	15 Mar 90	gds
	C) Function				15 Mar 90	gds
660	Pack				19 Mar 90	gds

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6349089
13 Mar 1990

CENTROIDAL DISTANCES

0 TO	1	.531279
1 TO	2	.863392
1 TO	3	.770263
1 TO	4	.418151
1 TO	5	.439459

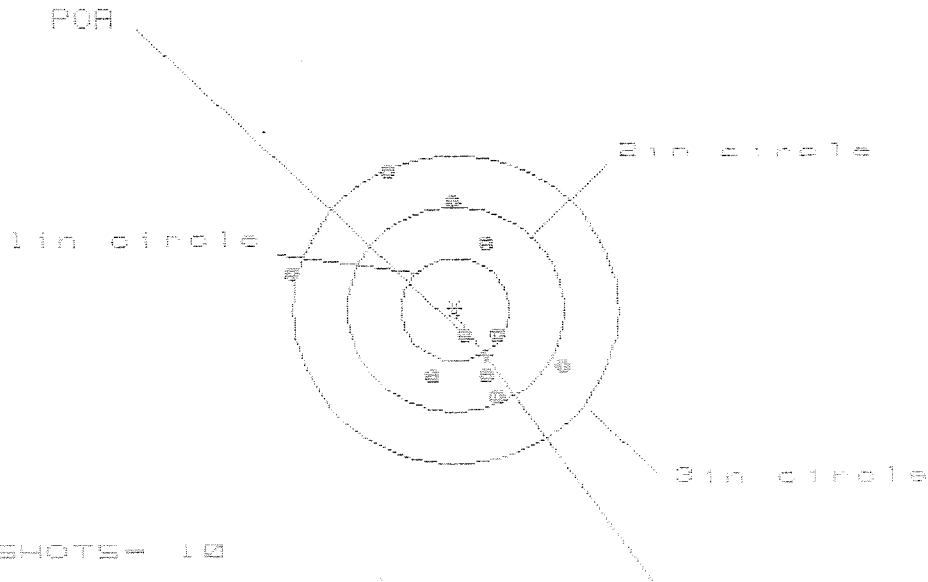
1
3 5 4 2 <----POB

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.4434
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .052
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .446439
THE AMR FOR THIS RIFLE IS: .964

13 Mar 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08349069

CENTERFIRE PATTERNS # 1



OF SHOTS = 10

IN CIR

1in = 2

2in = 6

3in = 9

HS = 2.502

VS = 2.214

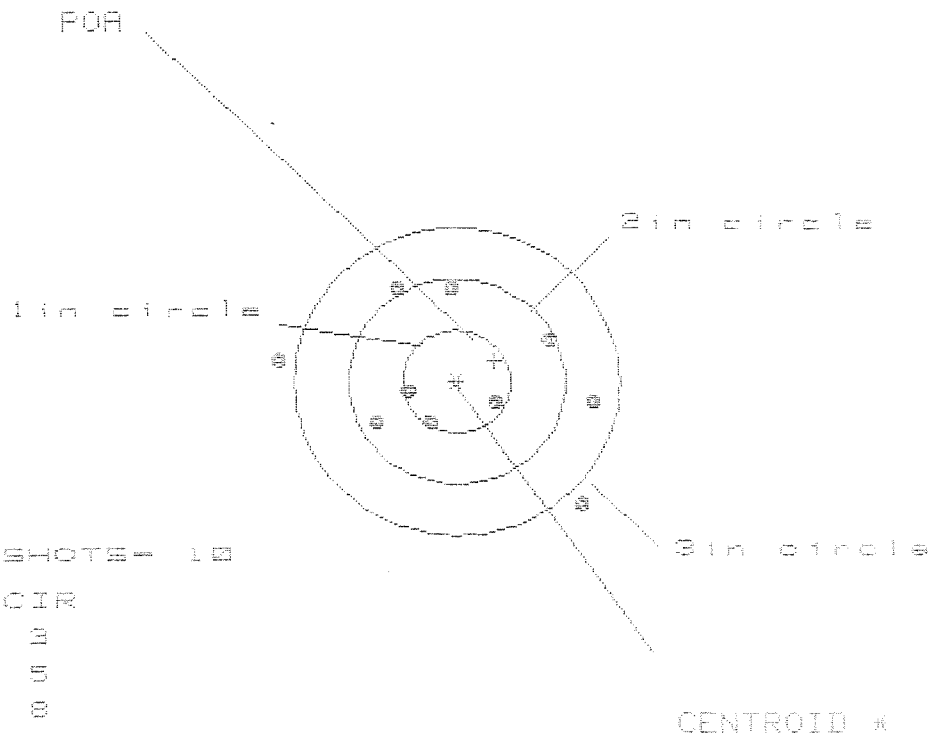
GS = 2.654

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.982	.013	.710
MINIMUM X	-1.520	-.827	-.461
MAXIMUM Y	1.319	1.355	1.242
MINIMUM Y	-.895	-.859	-.690
CENTROID X	-.284	-.115	-.012
CENTROID Y	.449	.413	.244
POA TO CENTROID in.	.532	.429	.244
MIN RADIUS	.304	.255	.157
MEAN RADIUS	.906	.795	.602
MAX RADIUS	1.555	1.587	1.276
HORIZONTAL SPREAD	2.502	1.640	1.171
VERTICAL SPREAD	2.214	2.214	1.931
EXTREME SPREAD	2.654	2.493	1.969
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	9		

13 Mar 1990

FILE:/PATTERNING/CENTERFIRE_PATT/08349060

CENTERFIRE PATTERNS # 2



OF SHOTS = 10

IN CIR

1 in = 3

2 in = 5

3 in = 8

HS = 2.969

VS = 2.149

GS = 3.159

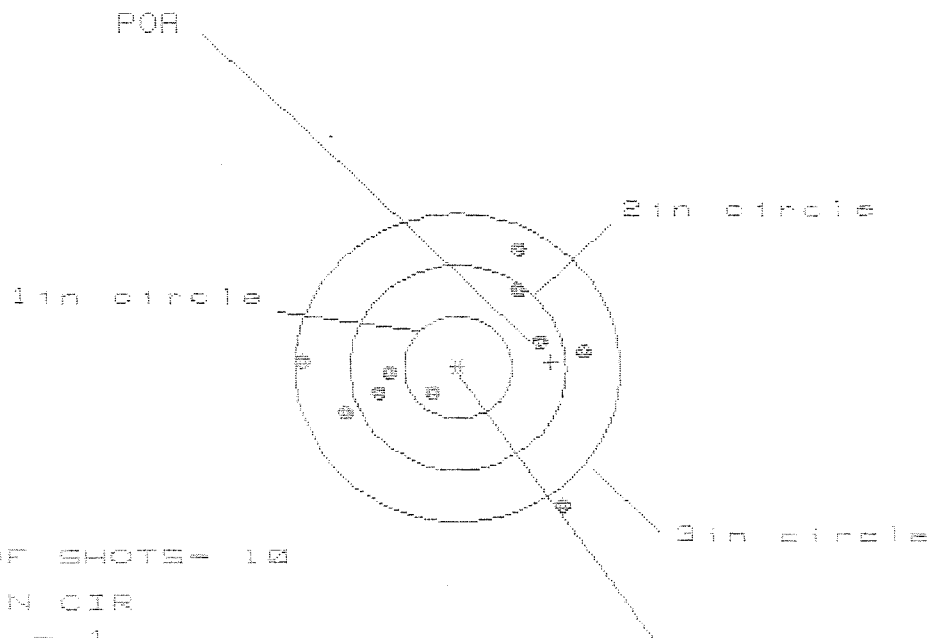
PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.293	1.107	1.224
MINIMUM X	-1.676	-.928	-.811
MAXIMUM Y	.911	.936	.785
MINIMUM Y	-1.238	-1.213	-.525
CENTROID X	-.351	-.165	-.282
CENTROID Y	-.211	-.236	-.085
FOR TO CENTROID in.	.410	.288	.294
MIN RADIUS	.414	.245	.435
MEAN RADIUS	.973	.891	.802
MAX RADIUS	1.692	1.531	1.269
HORIZONTAL SPREAD	2.969	2.035	2.835
VERTICAL SPREAD	2.149	2.149	1.310
EXTREME SPREAD	3.159	2.712	2.142
NUMBER IN ONE INCH CIRCLE =	3	5	8
NUMBER IN TWO INCH CIRCLE =	5	8	
NUMBER IN THREE INCH CIRCLE =	8		

19 Mar 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08348088

CENTERFIRE PATTERNS

3



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 5

3 in = 9

HS= 2.632

VS= 2.478

GS= 2.732

CENTROID *

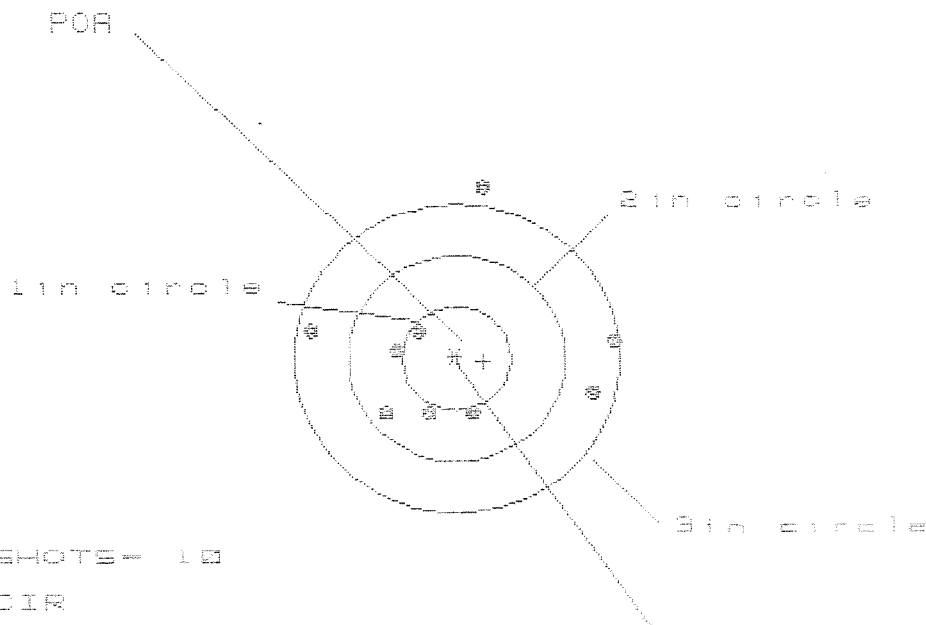
PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.286	1.389	1.143
MINIMUM X	-1.426	-1.323	-1.889
MAXIMUM Y	1.125	.975	.961
MINIMUM Y	-1.354	-.627	-.642
CENTROID X	-.863	-.966	-.800
CENTROID Y	-.859	.091	.106
FOR TO CENTROID in.	.865	.970	.807
MIN RADIUS	.350	.442	.521
MEAN RADIUS	1.019	.939	.889
MAX RADIUS	1.640	1.328	1.264
HORIZONTAL SPREAD	2.632	2.632	2.232
VERTICAL SPREAD	2.479	1.682	1.682
EXTREME SPREAD	2.732	2.636	2.327
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	9		

13 Mar 1998

FILE:/PATTERNING/CENTERFIRE_PATT/083490089

CENTERFIRE PATTERNS

4



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 6

3 in = 9

HS= 2.800

VS= 2.188

GS= 2.800

CENTROID *

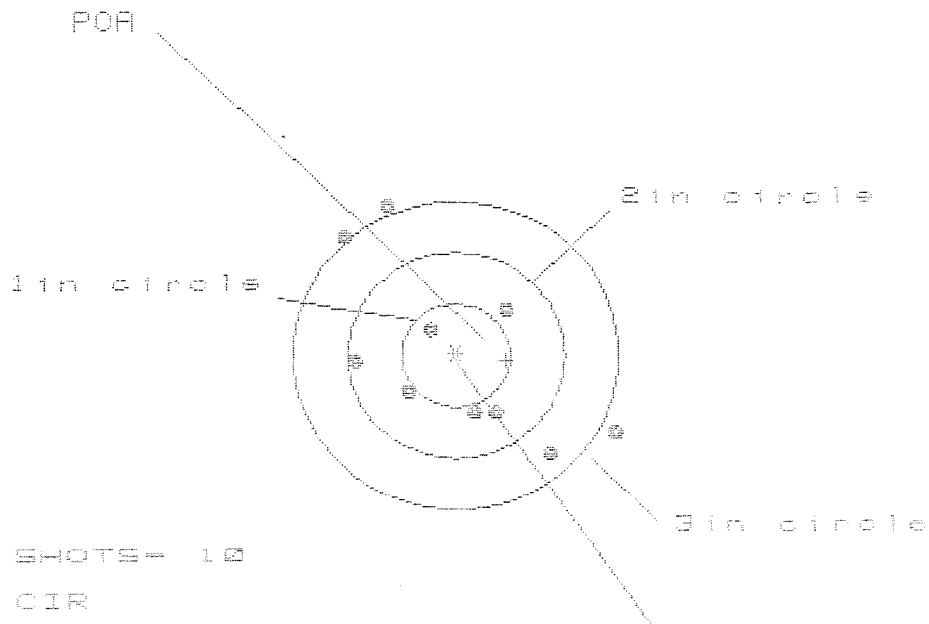
PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.486	1.517	1.494
MINIMUM X	-1.323	-1.291	-1.101
MAXIMUM Y	1.623	.497	.543
MINIMUM Y	-.565	-.384	-.398
CENTROID X	-.253	-.284	-.474
CENTROID Y	.032	-.149	-.196
POA TO CENTROID in.	.254	.321	.513
MIN RADIUS	.452	.416	.328
MEAN RADIUS	.936	.813	.669
MAX RADIUS	1.649	1.562	1.497
HORIZONTAL SPREAD	2.808	2.808	2.595
VERTICAL SPREAD	2.188	.881	.891
EXTREME SPREAD	2.809	2.809	2.657
NUMBER IN ONE INCH CIRCLE	= 1		
NUMBER IN TWO INCH CIRCLE	= 6		
NUMBER IN THREE INCH CIRCLE	= 9		

13 Mar 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08349088

CENTERFIRE PATTERNS

5



OF SHOTS= 10

IN CIR

1in = 1

2in = 6

3in = 7

HS= 2.483

VS= 2.390

GS= 3.128

CENTROID *

PATTERN #	5
SHOTS (BEST OF)	10
MAXIMUM X	1.457
MINIMUM X	-1.026
MAXIMUM Y	1.425
MINIMUM Y	-0.965
CENTROID X	-0.466
CENTROID Y	0.049
POB TO CENTROID in.	0.469
MIN RADIUS	0.351
MEAN RADIUS	0.986
MAX RADIUS	1.633
HORIZONTAL SPREAD	2.483
VERTICAL SPREAD	2.390
EXTREME SPREAD	3.128
NUMBER IN ONE INCH CIRCLE	1
NUMBER IN TWO INCH CIRCLE	6
NUMBER IN THREE INCH CIRCLE	7